Title (en)

METHOD AND DEVICE FOR PERFORMING PRIORITIZATION PROCEDURE IN NR V2X

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DURCHFÜHRUNG EINES PRIORISIERUNGSVERFAHRENS IN NR V2X

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉALISATION D'UNE PROCÉDURE DE PRIORISATION DANS NR V2X

Publication

EP 4057708 A4 20230118 (EN)

Application

EP 22726575 A 20220113

Priority

- KR 20210005528 A 20210114
- US 202163143660 P 20210129
- KR 20210016176 A 20210204
- KR 20210041762 A 20210331
- US 202163175034 P 20210414
- US 202163175546 P 20210415
- KR 20210049749 A 20210416
- KR 20210060181 A 20210510
- KR 2022000657 W 20220113

Abstract (en)

[origin: EP4057708A1] Provided are a method for performing wireless communication by a first device and an apparatus supporting same. The method may comprise: receiving, from a base station, information related to a first physical uplink control channel (PUCCH) for a sidelink (SL) hybrid automatic repeat request (HARQ)-acknowledgment (ACK) report; transmitting, to a second device through a physical sidelink control channel (PSCCH), a first sidelink control channel (SCI) for scheduling of a physical sidelink shared channel (PSSCH) and a second SCI; transmitting, to the second device through the PSSCH, the second SCI and data; generating the SL HARQ-ACK report for the data; performing a procedure for prioritization between the first PUCCH and a second PUCCH, based on overlapping for the first PUCCH and the second PUCCH of a smaller priority index; performing a procedure for prioritization between the first PUCCH and a third PUCCH, based on overlapping for the first PUCCH and the third PUCCH of a larger priority index; selecting a first PUSCH in a procedure for resolving overlapping for at least one PUCCH without a SL HARQ-ACK report or at least one physical uplink shared channel (PUSCH); after resolving the overlapping for the at least one PUCCH without the SL HARQ-ACK report or the at least one PUSCH, determining overlapping for the first PUCCH and the first PUSCH; and transmitting, to the base station through the first PUSCH, the SL HARQ-ACK report, based on the first PUSCH of the smaller priority index which includes no uplink control information (UCI).

IPC 8 full level

H04W 52/34 (2009.01); **H04L 1/18** (2006.01); **H04W 4/40** (2018.01); **H04W 52/14** (2009.01); **H04W 52/28** (2009.01); **H04W 52/38** (2009.01); **H04W 72/12** (2009.01); **H04W 72/14** (2009.01); **H04W 92/18** (2009.01)

CPC (source: EP KR US)

H04L 1/1812 (2013.01 - KR US); **H04L 1/1854** (2013.01 - EP); **H04L 5/0044** (2013.01 - EP); **H04L 5/0053** (2013.01 - US); **H04L 5/0055** (2013.01 - EP KR); **H04L 5/0064** (2013.01 - EP); **H04L 5/0091** (2013.01 - EP); **H04W 4/40** (2018.02 - EP KR); **H04W 72/0446** (2013.01 - US); **H04W 72/1263** (2013.01 - KR US); **H04W 72/20** (2023.01 - KR US); **H04W 72/535** (2023.01 - EP); **H04W 72/569** (2023.01 - KR US); **H04W 92/18** (2013.01 - KR); H04L 5/0026 (2013.01 - EP); H04W 52/34 (2013.01 - EP); H04W 52/367 (2013.01 - EP); H04W 52/383 (2013.01 - EP); H04W 72/20 (2023.01 - EP); H04W 72/23 (2023.01 - EP); H04W 92/18 (2013.01 - EP US)

Citation (search report)

- [XI] HUAWEI ET AL: "Remaining details of physical layer procedures for sidelink", vol. RAN WG1, no. Online Meeting ;20200420 - 20200430, 11 April 2020 (2020-04-11), XP051875146, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_100b_e/Docs/R1-2001555.zip R1-2001555.docx> [retrieved on 20200411]
- [I] CMCC: "Remaining issues on physical layer procedures for sidelink", vol. RAN WG1, no. e-Meeting; 20200525 - 20200605, 16 May 2020 (2020-05-16), XP051885715, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_101-e/Docs/R1-2003952.zip R1-2003952.docx> [retrieved on 20200516]
- See also references of WO 2022154526A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

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EP 4057708 A1 20220914; **EP 4057708 A4 20230118**; CN 115088317 A 20220920; JP 2024504959 A 20240202; KR 20220103971 A 20220725; US 2022287052 A1 20220908; WO 2022154526 A1 20220721

DOCDB simple family (application)

EP 22726575 A 20220113; CN 202280001836 A 20220113; JP 2023542999 A 20220113; KR 2022000657 W 20220113; KR 20227018697 A 20220113; US 202217575271 A 20220113